



# FEMA



Prepared by  
*Brian Hoeth*

# FEMA Region 6 Weather Threat Briefing

Thursday, November 8, 2018

**Disclaimer:** The purpose of this briefing is to provide a **Regional** weather threat assessment and is meant as a general overview. County/Parish decision makers should consult their local NWS forecast offices for the latest detailed, local weather information.

To find your local NWS forecast office, go to [www.weather.gov/srh](http://www.weather.gov/srh).

# Summary of the Upcoming Week



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## Today

- Isolated heavy rain/flash flooding possible for south-central into SE & E TX and much of LA.
- Isolated severe thunderstorms with hail possible tonight for south-central into central & E TX.
- Mix of freezing fog/drizzle and light snow/ice will create difficult travel across E NM tonight.

## Friday - Saturday

- No significant weather. Unseasonably cooler temperatures for much of the Region

## Sunday - Monday

- Accumulating snow possible for parts of E NM into the TX/OK Panhandles Sunday night into Monday. Too early to determine amounts/impacts.

## River Flood Status

- Points along the Nueces River in STX will continue in Moderate/Major Flood this week.
- The Trinity River at Liberty in SE TX will continue in Major Flood this week.
- The Cache River at Patterson in NE AR will continue in Moderate Flood this week.

## Tropical Outlook

- Tropical cyclone formation is not expected during the next 5 days.

# FEMA Region 6 Threat Matrix

Nov 8, 2018 – Nov 12, 2018



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DAY / THREAT	THU	FRI	SAT	SUN	MON
Severe Storms	S-Cntrl/Cntrl/ETX				
Heavy Rain / Flash Flooding	S-Cntrl/E/SETX into much of LA				
Winter Weather	E NM (Late)			E NM into the TX/OK Panhandles (Late)	E NM into the TX/OK Panhandles
Tropical Weather					
River Flooding	SETX, STX	SETX, STX	SETX, STX	SETX, STX	SETX, STX
	NE AR	NE AR	NE AR	NE AR	NE AR

	No Weather Threats Expected
	Very Common – Happens Often
	Common – Happens Frequently
	Uncommon – A Few Times a Year
	Rare – Once Every 1-5 Years
	Very Rare – Once Every 5-10 Years

*\*Threat levels are based on FEMA Region 6 criteria.*

*State or local threat level criteria may differ.\**

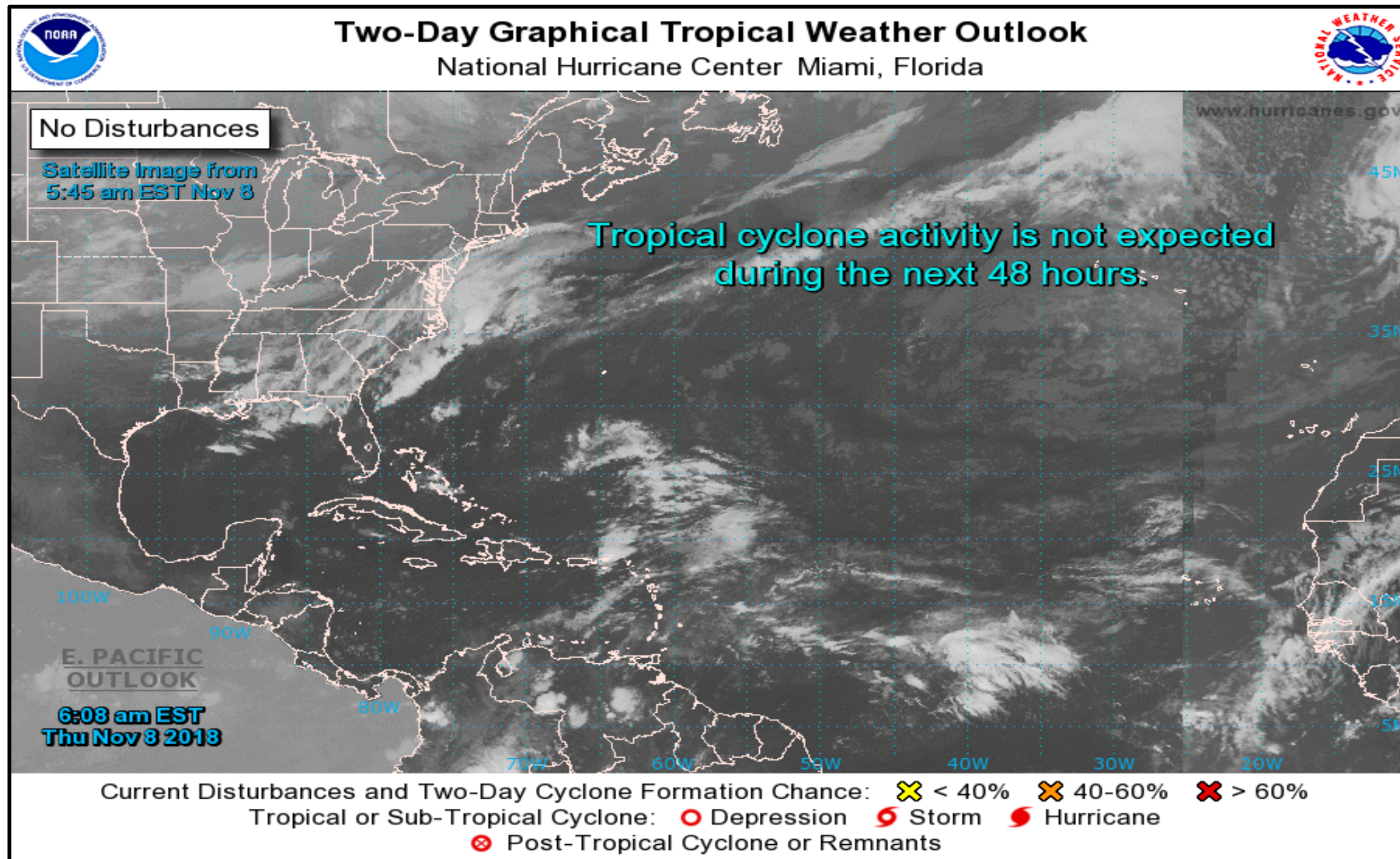
*For more details on the colors in the threat matrix refer to the last slide in this briefing.*



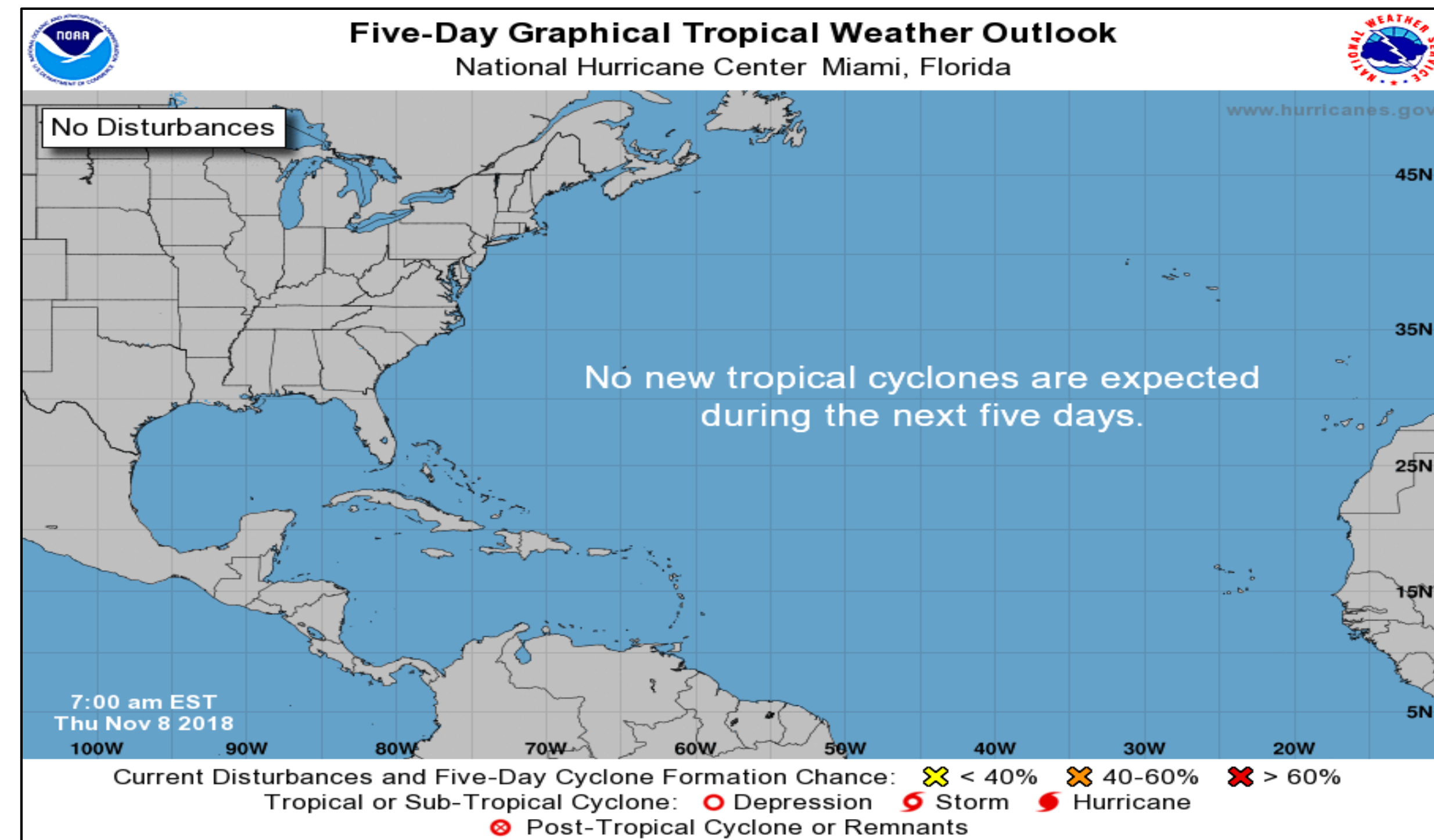
# Tropical Weather Outlook – Atlantic/Gulf



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Tropical cyclone activity is not expected during the next 5 days.



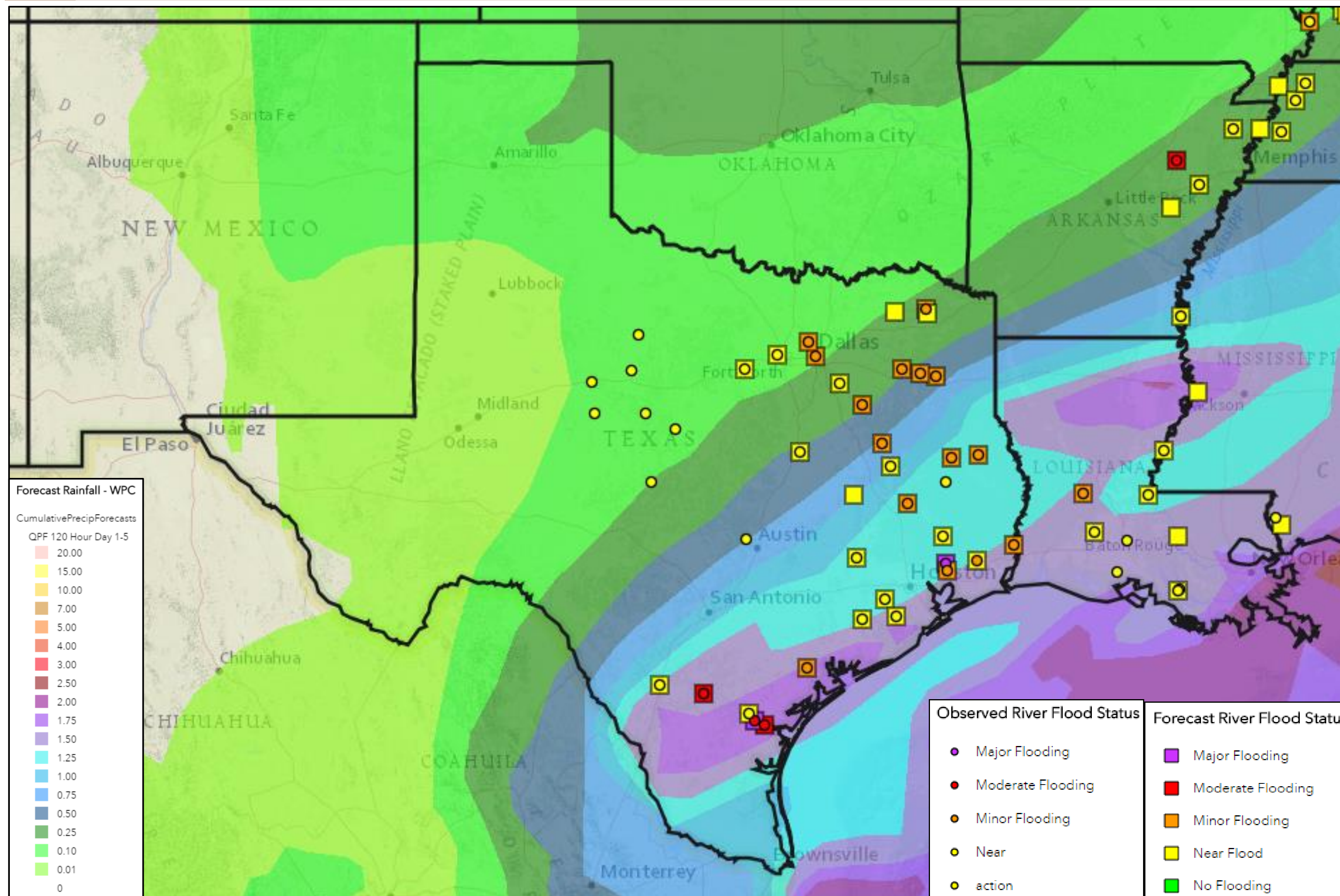


# 5-Day Precipitation Forecast & River Flood Status



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*Note: Even though the image displays 5 days of forecasted rainfall, river forecasts only include 1-2 days of rainfall*



**Moderate to Major Flooding will continue on the Nueces River in South TX for at least the next week as water slowly moves downstream.**

**The Trinity River at Liberty in SE TX will remain in Major Flood stage through this week. Flooding may be impacting homes in several subdivisions.**

**The Cache River at Patterson in NE AR will remain in Moderate Flood through this week into early next week. Impacts primarily to secondary roads and agriculture.**



# Today's Weather



## Forecast Chart



## Forecast Rainfall

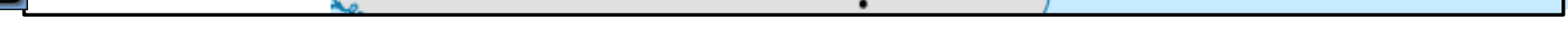


**Mix of freezing fog/drizzle  
and light snow/ice will create  
difficult travel across E NM  
tonight.**

A map showing the study area along the New Mexico-Arizona border. The border is a thick black line. To the north (left) is New Mexico, and to the south (right) is Arizona. Four locations are marked with circles and labeled: Farmington, Chama, Raton, and Bartlesville. Farmington is the westernmost point, followed by Chama, then Raton, and finally Bartlesville, which is the easternmost point shown. The map also shows some major roads and the general outline of the states.



The map shows a section of the New Mexico-Arizona border. The Rio Grande is depicted as a blue line running horizontally across the top. Below the river, the state of New Mexico is shown in yellow, and the state of Arizona is shown in light blue. Three locations are marked with black dots and labeled: Taos, Perryton, and Endicott. Taos is located in the upper left, Perryton is in the center, and Endicott is in the lower right. A road, likely Highway 1, is shown as a black line running vertically through the center, passing through Perryton and Endicott. The map also shows some topographical features like mountains and rivers.





# Tomorrow's Weather



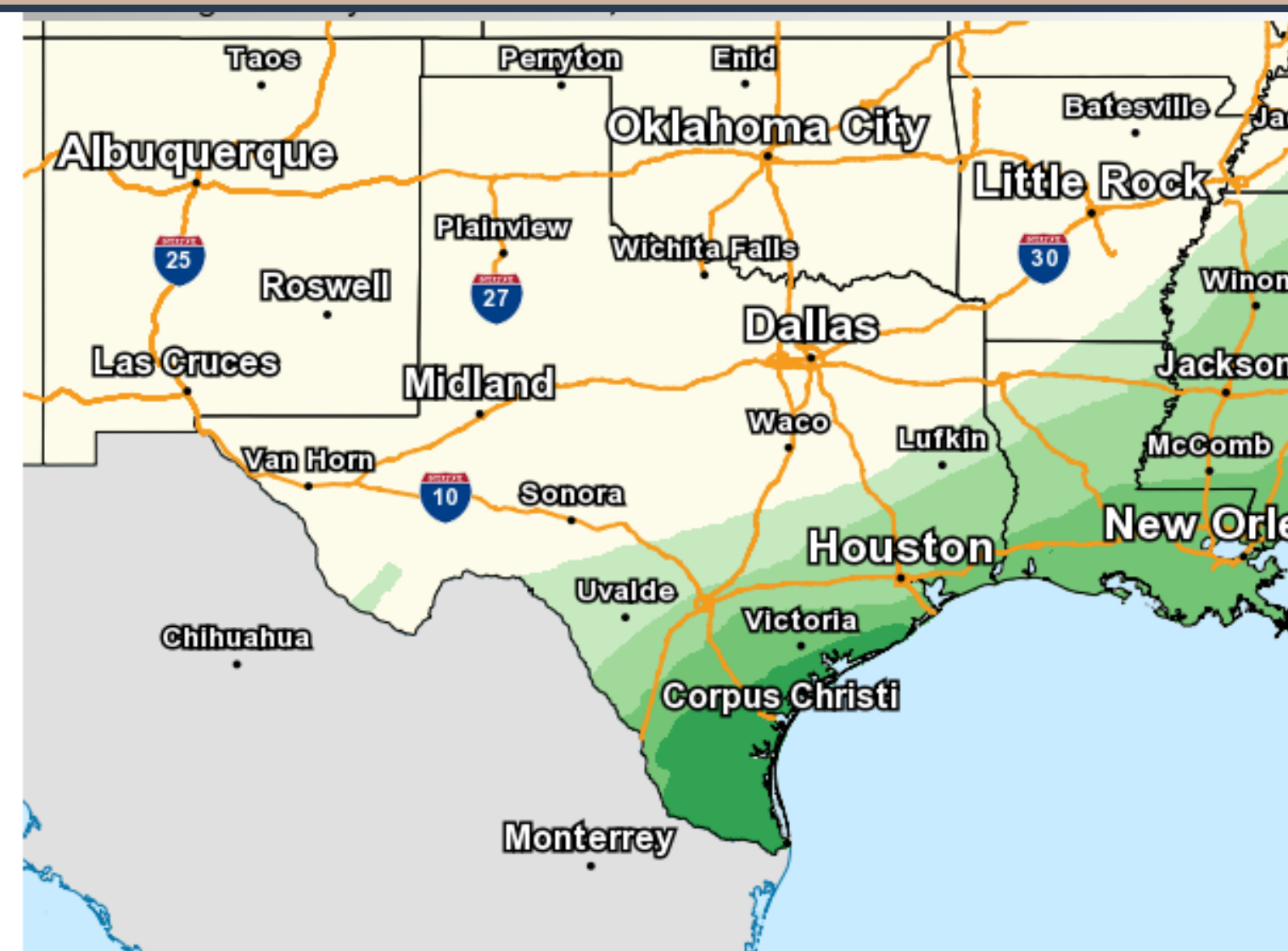
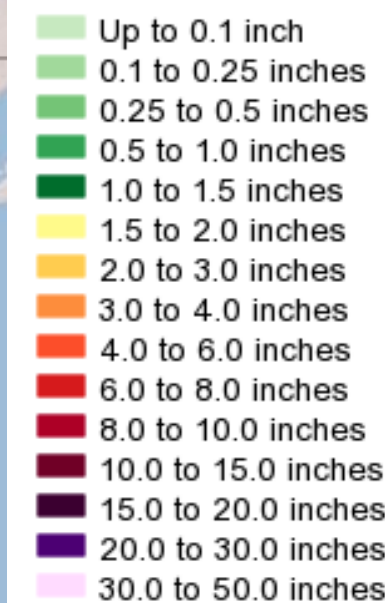
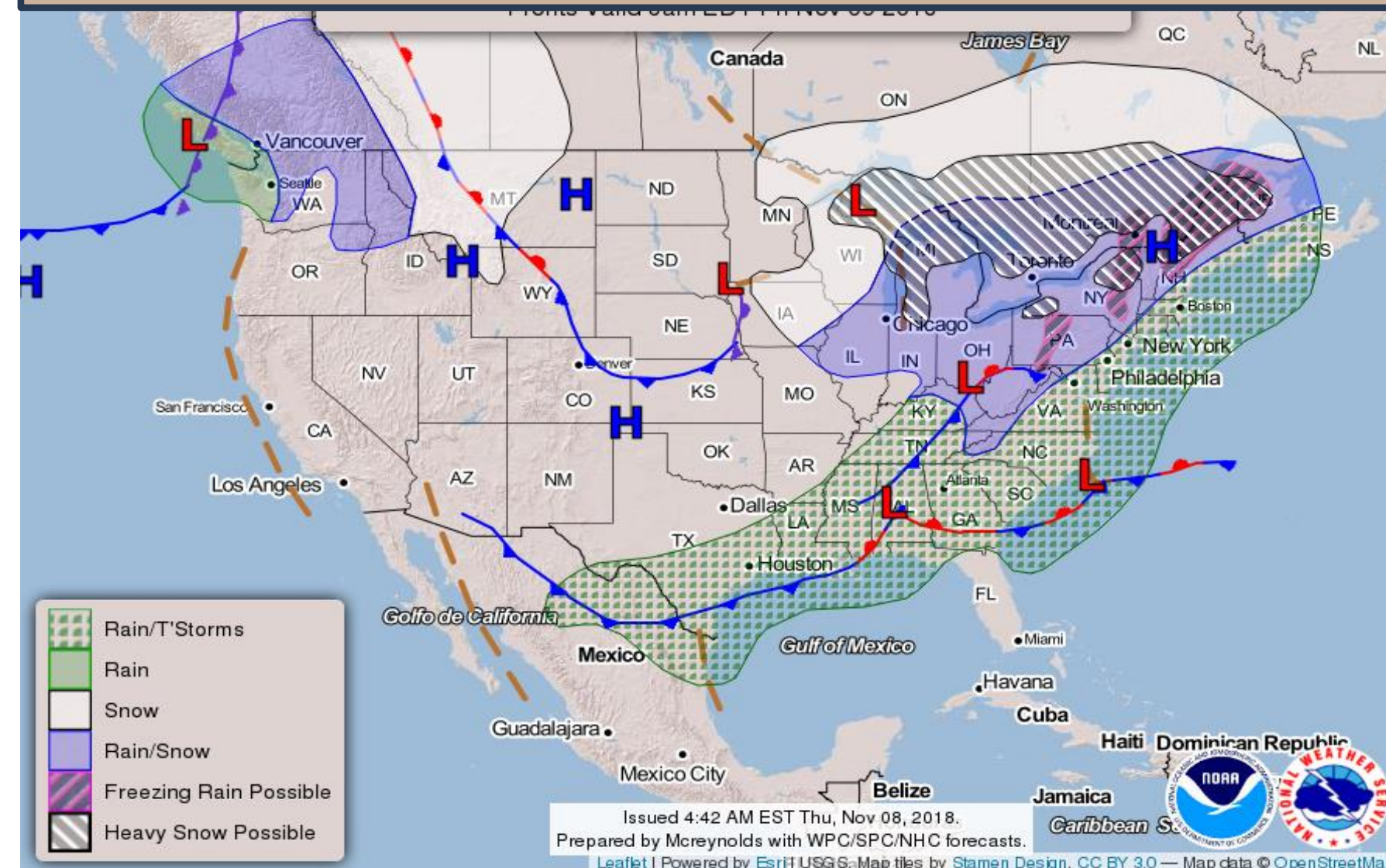
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## Forecast Chart

## Forecast Rainfall

No significant weather.

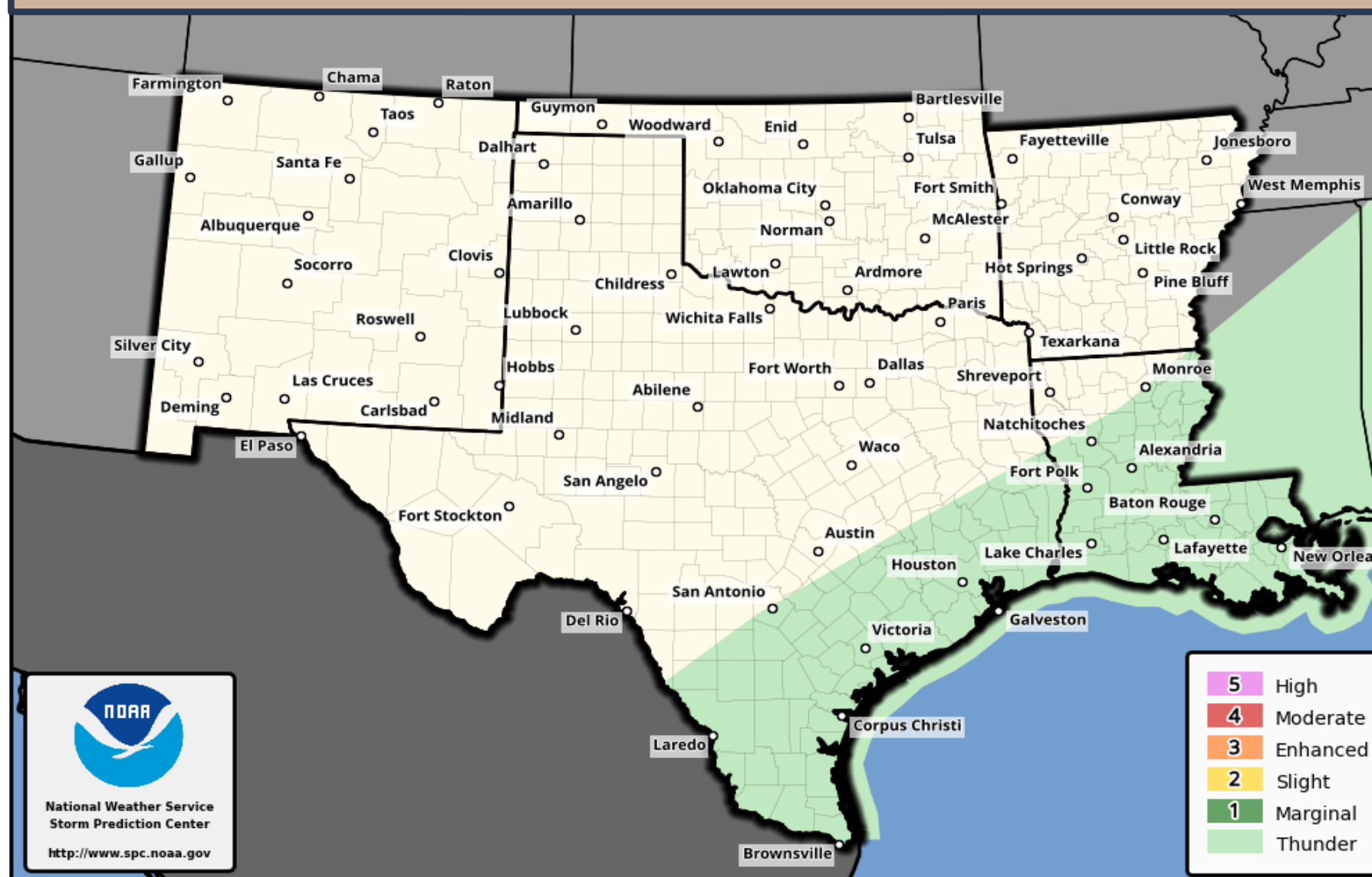
Unseasonably cooler  
temperatures for much of  
the Region.



Graphic Created  
November 8th, 2018  
6:19 AM CST

## Severe Weather Outlook

## Excessive Rainfall Outlook



Graphic Created  
November 8th, 2018  
6:19 AM CST



# Saturday's Weather



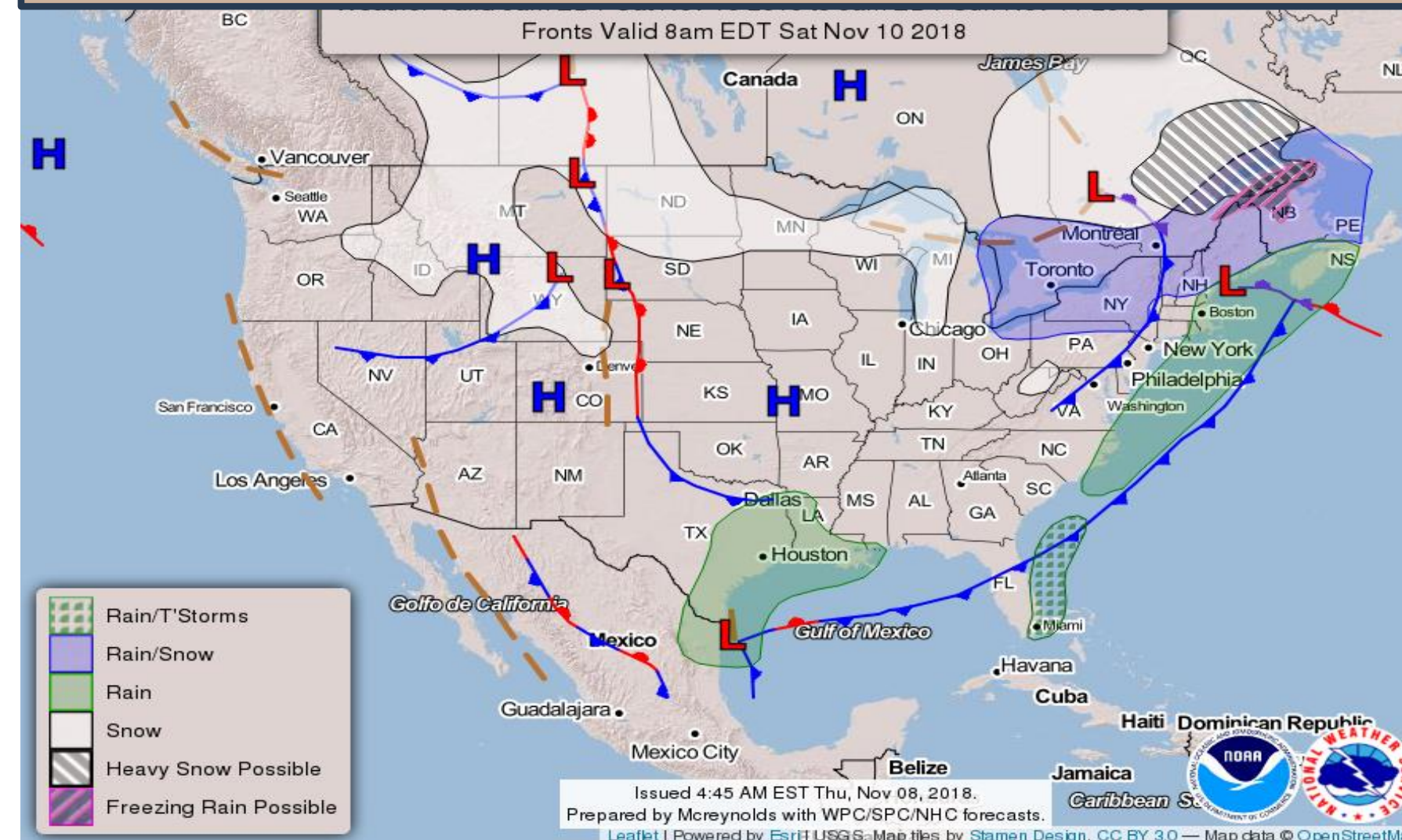
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## Forecast Chart

## Forecast Rainfall

No significant weather.

Unseasonably cooler  
temperatures for much of  
the Region.



Graphic Created  
November 8th, 2018



## Severe Weather Outlook

## Excessive Rainfall Outlook



Graphic Created  
November 8th, 2018  
AM CST



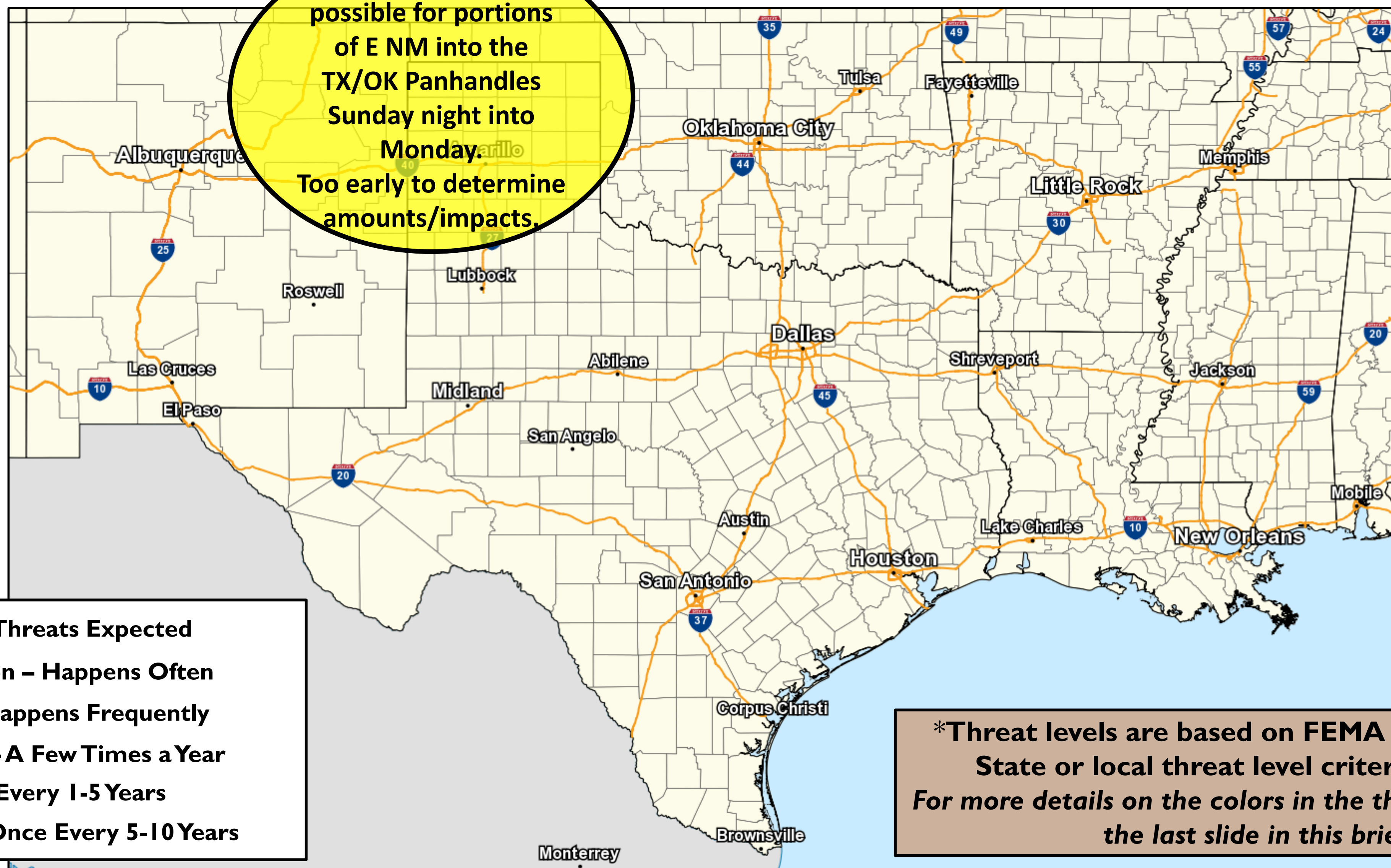


# Days 4-5 Weather Hazards

Sunday – Monday



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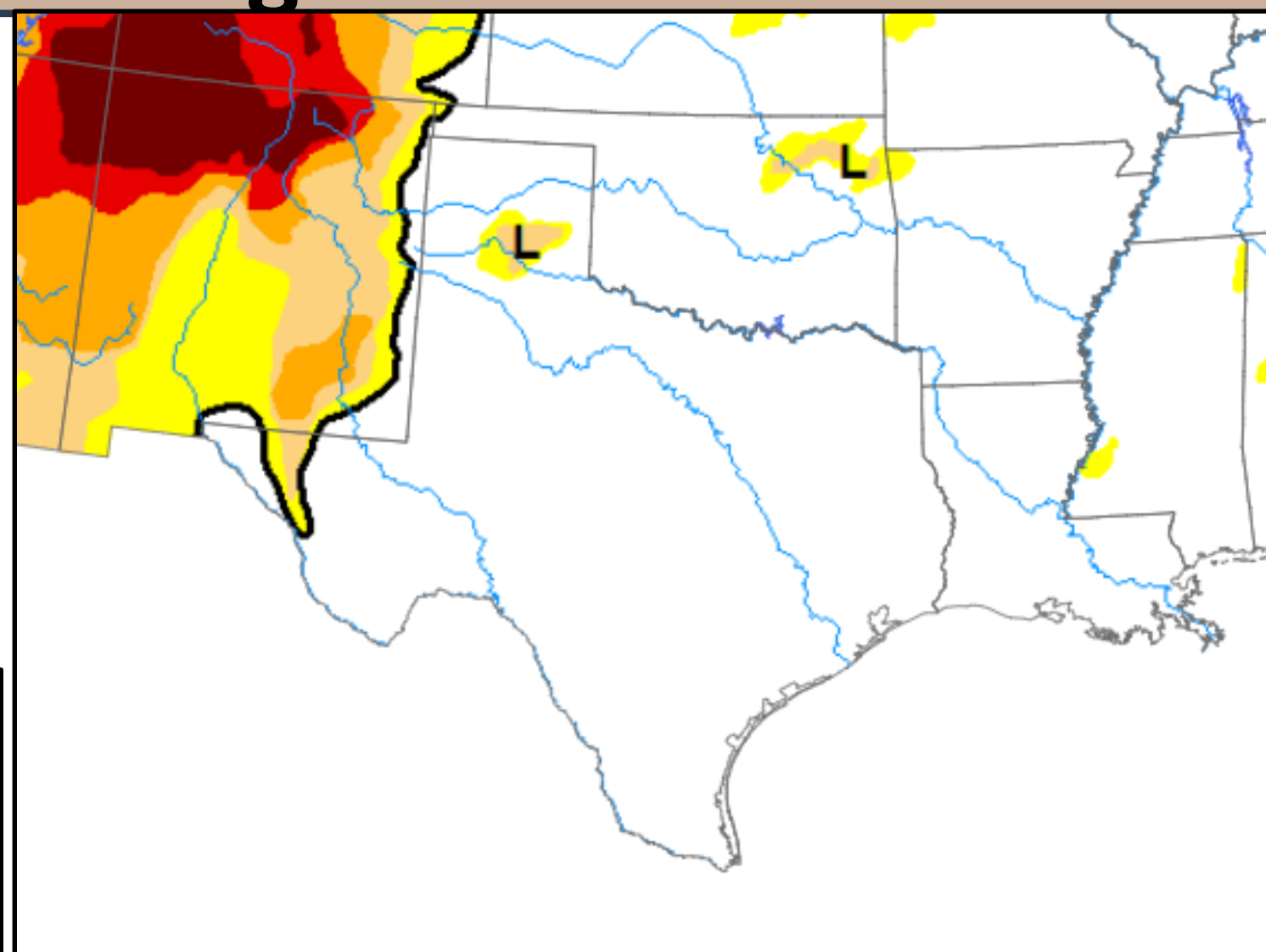
# Drought Monitor (Released November 8, 2018)



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Data valid as of 7am EDT, Tuesday, November 6, 2018

## Drought Monitor

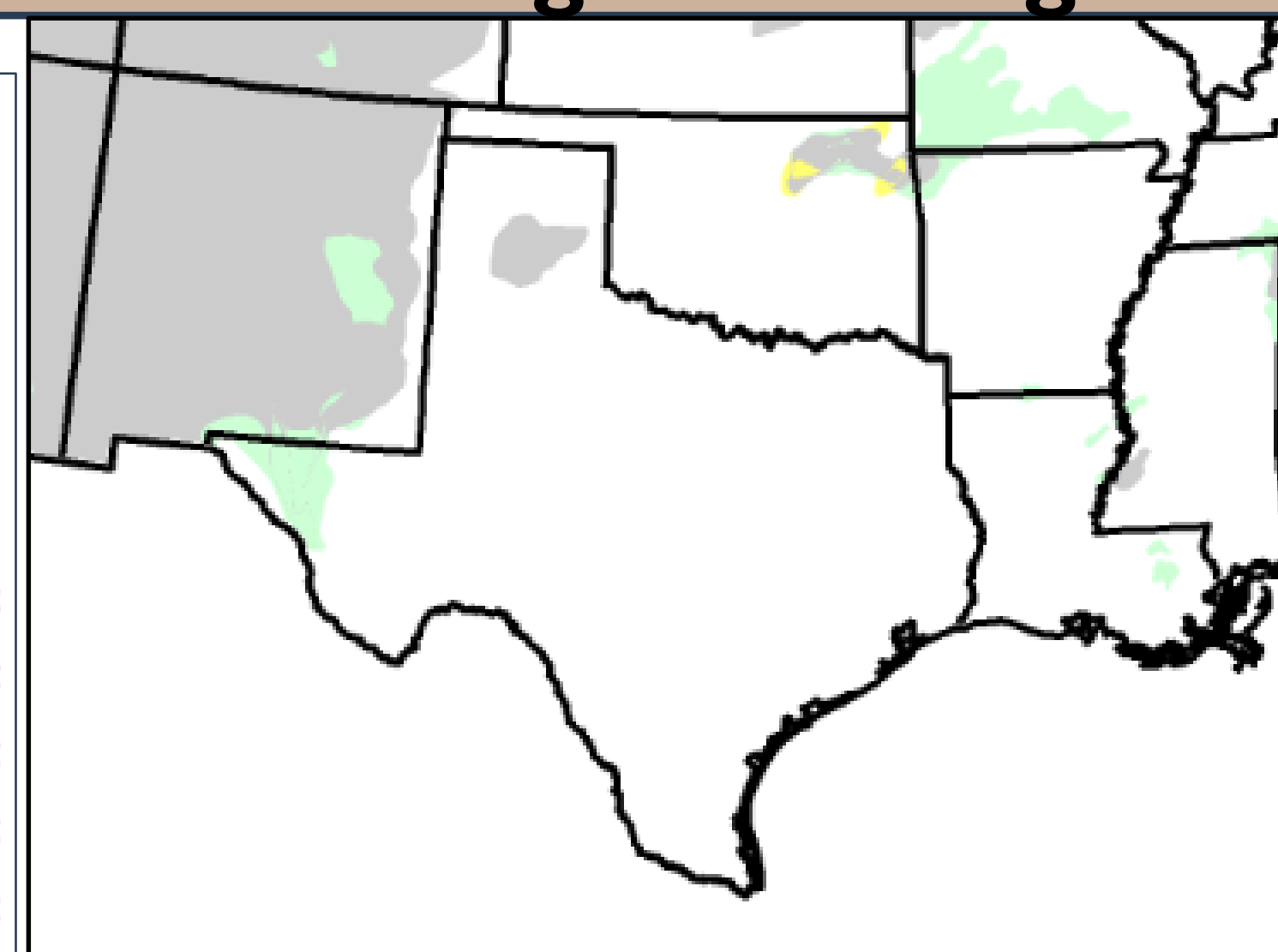


### Intensity:

- D0 Abnormally Dry
- D1 Moderate Drought
- D2 Severe Drought
- D3 Extreme Drought
- D4 Exceptional Drought

## One Week Change in Drought

- 5 Class Degradation
- 4 Class Degradation
- 3 Class Degradation
- 2 Class Degradation
- 1 Class Degradation
- No Change
- 1 Class Improvement
- 2 Class Improvement
- 3 Class Improvement
- 4 Class Improvement
- 5 Class Improvement



## Drought Conditions (Percent Area) in D3-D4 (Extreme to Exceptional Drought)

State	Current	Last Week	3 Months Ago	1 Year Ago
Arkansas	0.00%	0.00%	0.00%	0.00%
Louisiana	0.00%	0.00%	0.00%	0.00%
Oklahoma	0.00%	0.00%	7.72%	0.00%
Texas	0.00%	0.00%	19.43%	0.00%
New Mexico	22.08%	22.08%	41.75%	0.00%

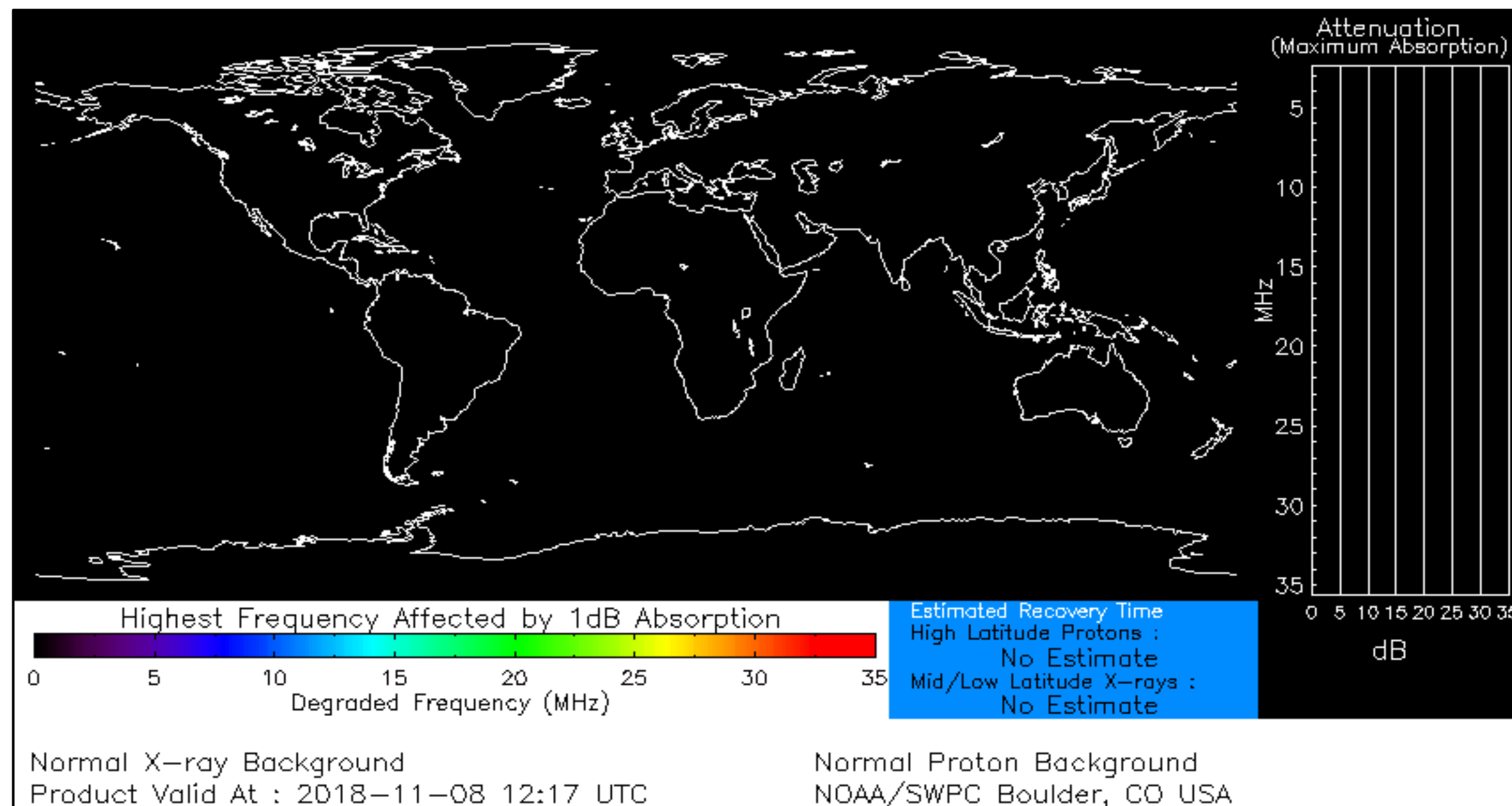


# Space Weather 3-Day Forecast



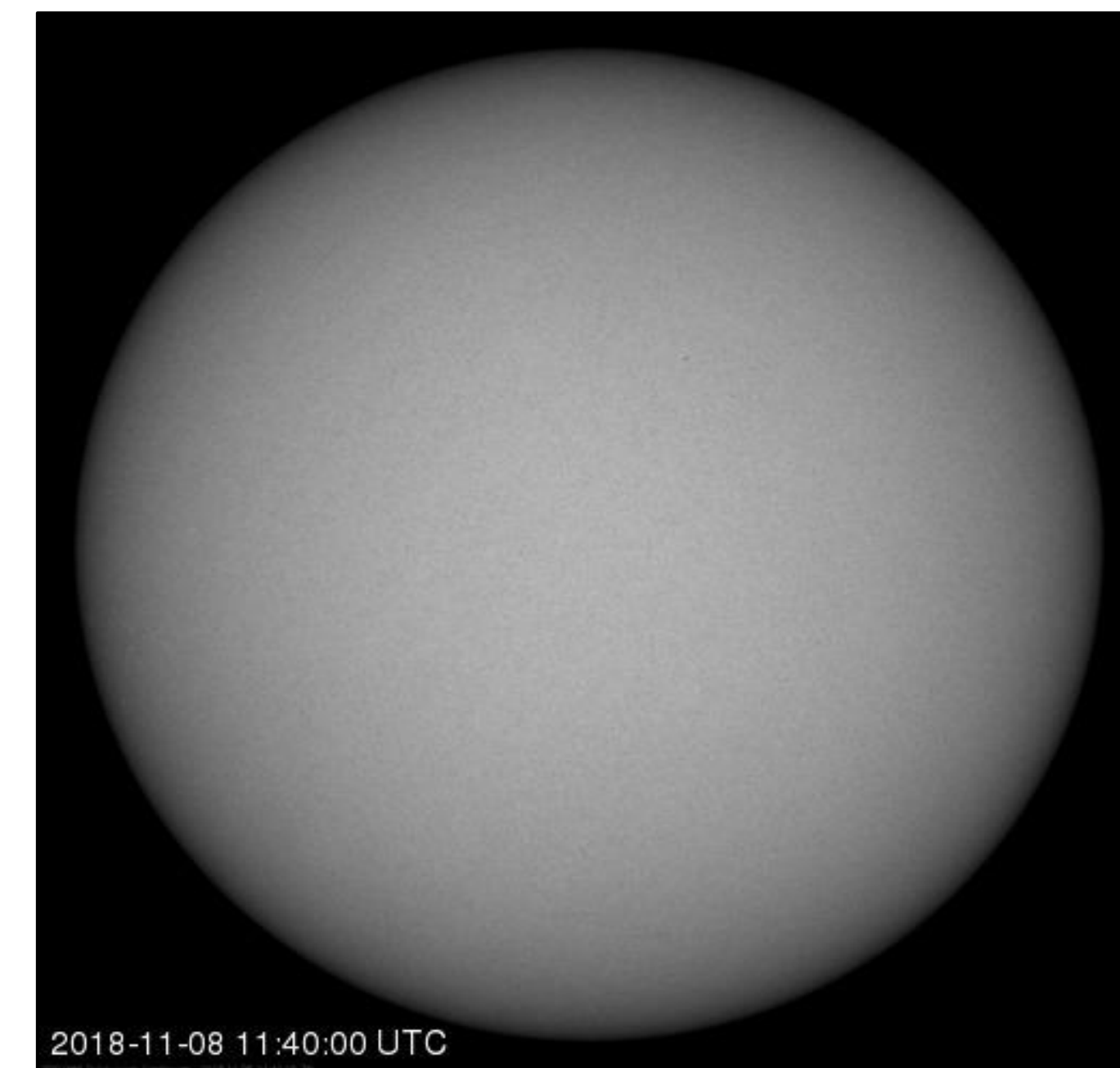
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	Thursday	Friday	Saturday
Geomagnetic Storms	Quiet (Max Kp = 2)	Minor (G1) Storm (Max Kp = 5)	Quiet to Unsettled (Max Kp = 3)
Solar Radiation Storm (S1-S5)	1%	1%	1%
Radio Blackout (R1-R2)	1%	1%	1%
Radio Blackout (R3-R5)	1%	1%	1%



[Click here for a Description of the Space Weather Storm Scales](#)

[Click here for the Latest 3-Day Space Weather Forecast Text](#)







# For more information, please contact:

**National Weather Service**  
Southern Region Headquarters  
Regional Operations Center  
Fort Worth, TX

Phone: (682) 703-3747

E-mail: [sr-srh.roc@noaa.gov](mailto:sr-srh.roc@noaa.gov)

Web: <http://www.weather.gov/srh>





Weather “Threat” Matrix			
Color	Definition	Criteria	Example(s)
Green	<b>Very Common</b> Safety: Rarely a Direct Threat to Life and Property Impact Potential: Typically Results in Little Inconvenience to Daily Routines	Severe: Marginal Risk from SPC Flooding: Minor flooding expected over localized areas Tropical: None Fire Weather: No Watches/Warnings, fuel moisture above 10% or green up active	<ul style="list-style-type: none"> <li>Thunderstorms expected over LA this afternoon; a few may produce winds to knock down a few trees</li> <li>Something that happens almost every day in a particular season such as <u>seabreeze</u> storms in coastal TX</li> </ul>
Yellow	<b>Somewhat Common – Happens Frequently</b> Safety: Rarely a Direct Threat to Life and Property Impact Potential: Typically Results in Some Inconvenience to Daily Life	Severe: Slight Risk from SPC Flooding: Nuisance flooded expected for a widespread area, or Minor flooding expected over isolated areas Tropical: A weak tropical wave expected to move towards or near any coastline Fire Weather: Red Flag Watches/Warnings and/or SPC outlines enhanced or critical fire outlook	<ul style="list-style-type: none"> <li>2-3 inches of rainfall expected over central AR today and tonight; some minor (brief) street flooding possible</li> <li>Scattered severe storms possible, one or two tornadoes expected, along with reports of strong winds/wind damage and ~1” hail</li> </ul>
Orange	<b>Uncommon – A Few Times a Year</b> Safety: Often Threatening to Life and Property, Some Damage Unavoidable Impact Potential: Typically Results in Minor Disruption to Daily Life	Severe: Enhanced Risk from SPC Flooding: Minor flooding expected over a widespread area (including urban locations), or Moderate flooding expected over isolated areas Tropical: A Tropical Storm expected to move towards or near any coastline Fire: Critical fire outlook for more than 2 consecutive days, Warnings for 2 or more consecutive days, D3-D4 drought conditions	<ul style="list-style-type: none"> <li>A snow/sleet mix is expected to move through or near the DFW area tomorrow morning; travel impacts likely</li> <li>Numerous severe storms possible, a few tornadoes possible along with several reports of wind damage along with damaging hail</li> <li>Some large fires reported, burn bans advertised, critical conditions expected</li> </ul>
Red	<b>Rare – Once every 1-5 Years</b> Safety: Extensive Property Damage Likely, Life Saving Actions Also will be Needed Impact Potential: Will likely result in Large Disruption to Daily Life	Severe: Moderate Risk from SPC Flooding: Moderate flooding expected over a widespread area (including urban locations) Tropical: A Hurricane expected to move towards or near any coastline Fire: Large areas of critical conditions for 2 or more days, Warnings for 3 or more days, Severe to extreme drought	<ul style="list-style-type: none"> <li>A Category 1 hurricane will be moving towards the NW Gulf in the next few days</li> <li>Widespread severe storms likely, strong tornadoes, widespread wind damage, and destructive hail</li> <li>Large fires ongoing throughout the area with critical fire weather conditions expected to continue</li> </ul>
Purple	<b>Very Rare – Once Every 5-10 Years</b> Safety: Property Damage Unavoidable, Immediate Action to Save Life will be Needed Impact Potential: Typically Results in Long-Lived Widespread Major Disruption to Daily Life	Severe: High Risk from SPC Flooding: Major flooding expected over a widespread area (including urban locations) Tropical: A Major Hurricane (Cat3 or greater) expected to move towards or near any coastline Fire: Large area of critical conditions for 2 or more days, Warnings for 3 or more days, Long term (months) of severe to extreme drought	<ul style="list-style-type: none"> <li>A Category 4 hurricane is headed towards the SE LA; major storm surge, flooding and damaging winds anticipated to begin tomorrow</li> <li>Widespread severe storms expected, tornado outbreak probable with long-lived, very widespread and particularly intense storms</li> </ul>

**Criteria for the color codes in this briefing is to the left, please provide any feedback to**

**[sr-srh.roc@noaa.gov](mailto:sr-srh.roc@noaa.gov)**